

SEATTLE CITY LIGHT
MATERIAL STANDARDS

STANDARD NUMBER: **6501.1**
PAGE: 1 of 1
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CONNECTORS, ALUMINUM COMPRESSION, RANGE-TAKING

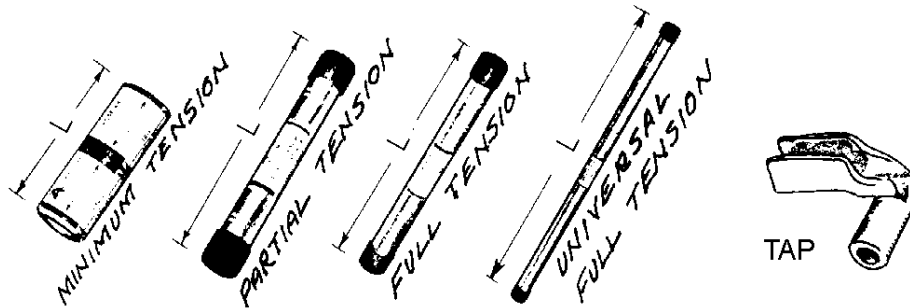


FIGURE 1 FIGURE 2 FIGURE 3 FIGURE 4 FIGURE 5

Requirements: Aluminum Compression Connectors of the configuration shown are intended for use on aluminum, aluminum to copper or ACSR conductors as indicated in overhead and underground construction, and shall meet the applicable requirements of ANSI C119.4.

Connectors shall be designed and manufactured to be installed with Anderson tools (VC-6).

Inhibitor: Each connector shall be factory-filled with a measured amount of oxide-inhibiting compound that will not affect the dielectric strength or power factor of cables insulated with butyl, cross-linked polyethylene or ethylene-propylene rubber.

Marking: Each connector shall have durable markings indicating Al/Cu application and showing conductor range, number of crimps, manufacturer's name or trademark, catalog number of the connector, Anderson installation tool (VC-6) and insulating strip length.

Packaging: The connector ends shall be sealed to prevent leakage or contamination of the inhibitor.

Reference Specifications: ANSI C119.4.

| STOCK NUMBER | CONDUCTOR RANGE | FIG NO. | TOOL & CRIMPS () | LENGTH | APPROVED MANUFACTURERS | |
|--------------|------------------------|---------|-------------------|-----------------------|------------------------|--------------|
| | | | | | ANDERSON | HOMAC |
| 650100 | 10 SOL-1/0 ACSR | 1 | VC6 (2) | 2" $\pm 1/16$ " | VCSE-44 | SGAC-1/0 |
| 650102 | 8 SOL-2/0 ACSR | 1 | VC6 (2) | 3" $\pm 1/16$ " | VSCE-55 | SGAC-3/0 |
| 650104 | 4 SOL-4/0 ACSR | 1 | VC6 (3) | 4" $\pm 1/16$ " | VCSE-66 | SGAC-250 |
| 650106 | 2/0 STD-336.4 ACSR/350 | 1 | VC6 (5) | 5-5/16" $\pm 7/16$ " | C-11500 | SGAC-350 |
| 650138 | 4/0-477ACSR/500AAC | 2 | VC6 (4) | 7-11/16" $\pm 7/16$ " | VCJS-85R | SKAC-500 |
| 650172 | 1/0 - 4/0 ACSR | 3 | VC6 | 19-7/8" $\pm 1/8$ " | VC-61-R | ACSR-4/0-FT |
| 650174 | 4/0-336.4AL | 3 | VC6 (5) | 9" $\pm 1/2$ " | VC-70A | AAC350-FT |
| 650196 | 4/0-397.5 ACSR | 4 | VC6 (24) | 22-7/8" $\pm 1/8$ " | VC-80R | ACSR397.5-FT |
| 650198 | 397.5-477ACSR | 4 | VC6 (24) | 22-7/8" $\pm 1/8$ " | VC-90R | — |
| 650314 | 2/0-4/0 TO 6-10 | 5 | VC6(2)(3) | — | VCL-66 | — |

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